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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/975,456B

DATE: 09/09/2002

TIME: 09:31:29

Input Set : A:\1478r00.app

Output Set: N:\CRF4\09092002\I975456B.raw

3 <110> APPLICANT: LAZDUNSKI, MICHEL  
4 LAMBEAU, GERARD  
5 VALENTIN, EMMANUEL  
7 <120> TITLE OF INVENTION: NOVEL MAMMALIAN SECRETED GROUP IIF PHOSPHOLIPASE A2  
9 <130> FILE REFERENCE: 1478-R-00  
11 <140> CURRENT APPLICATION NUMBER: 09/975,456B  
C--> 12 <141> CURRENT FILING DATE: 2002-08-27  
14 <150> PRIOR APPLICATION NUMBER: 60/239,491  
15 <151> PRIOR FILING DATE: 2000-10-11  
17 <160> NUMBER OF SEQ ID NOS: 10  
19 <170> SOFTWARE: PatentIn version 2.1  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 507  
23 <212> TYPE: DNA  
24 <213> ORGANISM: Homo sapiens  
26 <220> FEATURE:  
27 <221> NAME/KEY: CDS  
28 <222> LOCATION: (1)..(507)  
29 <223> OTHER INFORMATION: cDNA encoding human group IIF secreted phospholipase A2  
31 <400> SEQUENCE: 1  
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33 Met Lys Lys Phe Phe Thr Val Ala Ile Leu Ala Gly Ser Val Leu Ser  
34 1 5 10 15  
36 aca gct cac ggc agc ctg ctc aac ctg aag gcc atg gtg gag gcc gtc 96  
37 Thr Ala His Gly Ser Leu Leu Asn Leu Lys Ala Met Val Glu Ala Val  
38 20 25 30  
40 aca ggg agg agc gcc atc ctg tcc ttc gtg ggc tac ggt tgc tac tgt 144  
41 Thr Gly Arg Ser Ala Ile Leu Ser Phe Val Gly Tyr Gly Cys Tyr Cys  
42 35 40 45  
44 ggg ctg ggg ggc cgt ggc cag ccc aag gat gag gtg gac tgg tgc tgc 192  
45 Gly Leu Gly Gly Arg Gly Gln Pro Lys Asp Glu Val Asp Trp Cys Cys  
46 50 55 60  
48 cac gcc cac gac tgc tgc tac cag gaa ctc ttt gac caa ggc tgt cac 240  
49 His Ala His Asp Cys Cys Tyr Gln Glu Leu Phe Asp Gln Gly Cys His  
50 65 70 75 80  
52 ccc tat gtg gac cac tat gat cac acc atc gag aac aac act gag ata 288  
53 Pro Tyr Val Asp His Tyr Asp His Thr Ile Glu Asn Asn Thr Glu Ile  
54 85 90 95  
56 gtc tgc agt gac ctc aac aag aca gag tgt gac aag cag aca tgc atg 336  
57 Val Cys Ser Asp Leu Asn Lys Thr Glu Cys Asp Lys Gln Thr Cys Met  
58 100 105 110  
60 tgt gac aag aac atg gtt ctg tgc ctc atg aac cag acg tac cga gag 384  
61 Cys Asp Lys Asn Met Val Leu Cys Leu Met Asn Gln Thr Tyr Arg Glu

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62          115          120          125
64 gag tac cgt ggc ttc ctc aat gtc tac tgc cag ggc ccc acg ccc aac      432
65 Glu Tyr Arg Gly Phe Leu Asn Val Tyr Cys Gln Gly Pro Thr Pro Asn
66          130          135          140
68 tgc agc atc tat gaa ccg ccc cct gag gag gtc acc tgc agt cac caa      480
69 Cys Ser Ile Tyr Glu Pro Pro Glu Glu Val Thr Cys Ser His Gln
70 145          150          155          160
72 tcc cca gcg ccc ccc gcc cct ccc tag      507
73 Ser Pro Ala Pro Pro Ala Pro Pro
74          165
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78 <211> LENGTH: 168
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
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83 Met Lys Lys Phe Phe Thr Val Ala Ile Leu Ala Gly Ser Val Leu Ser
84 1          5          10          15
86 Thr Ala His Gly Ser Leu Leu Asn Leu Lys Ala Met Val Glu Ala Val
87          20          25          30
89 Thr Gly Arg Ser Ala Ile Leu Ser Phe Val Gly Tyr Gly Cys Tyr Cys
90          35          40          45
92 Gly Leu Gly Gly Arg Gly Gln Pro Lys Asp Glu Val Asp Trp Cys Cys
93          50          55          60
95 His Ala His Asp Cys Cys Tyr Gln Glu Leu Phe Asp Gln Gly Cys His
96 65          70          75          80
98 Pro Tyr Val Asp His Tyr Asp His Thr Ile Glu Asn Asn Thr Glu Ile
99          85          90          95
101 Val Cys Ser Asp Leu Asn Lys Thr Glu Cys Asp Lys Gln Thr Cys Met
102          100          105          110
104 Cys Asp Lys Asn Met Val Leu Cys Leu Met Asn Gln Thr Tyr Arg Glu
105          115          120          125
107 Glu Tyr Arg Gly Phe Leu Asn Val Tyr Cys Gln Gly Pro Thr Pro Asn
109          130          135          140
111 Cys Ser Ile Tyr Glu Pro Pro Pro Glu Glu Val Thr Cys Ser His Gln
112 145          150          155          160
114 Ser Pro Ala Pro Pro Ala Pro Pro
115          165
118 <210> SEQ ID NO: 3
119 <211> LENGTH: 25
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
126 <400> SEQUENCE: 3
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130 <210> SEQ ID NO: 4
131 <211> LENGTH: 26
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence

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135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
138 <400> SEQUENCE: 4
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143 <211> LENGTH: 148
144 <212> TYPE: PRT
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 5
148 Met Lys Leu Leu Val Leu Ala Val Leu Leu Thr Val Ala Ala Ala Asp
149   1           5           10           15
151 Ser Gly Ile Ser Pro Arg Ala Val Trp Gln Phe Arg Lys Met Ile Lys
152           20           25           30
154 Cys Val Ile Pro Gly Ser Asp Pro Phe Leu Glu Tyr Asn Asn Tyr Gly
155           35           40           45
157 Cys Tyr Cys Gly Leu Gly Gly Ser Gly Thr Pro Val Asp Glu Leu Asp
158           50           55           60
160 Lys Cys Cys Gln Thr His Asp Asn Cys Tyr Asp Gln Ala Lys Lys Leu
161           65           70           75           80
163 Asp Ser Cys Lys Phe Leu Leu Asp Asn Pro Tyr Thr His Thr Tyr Ser
164           85           90           95
166 Tyr Ser Cys Ser Gly Ser Ala Ile Thr Cys Ser Ser Lys Asn Lys Glu
167           100          105          110
169 Cys Glu Ala Phe Ile Cys Asn Cys Asp Arg Asn Ala Ala Ile Cys Phe
170           115          120          125
172 Ser Lys Ala Pro Tyr Asn Lys Ala His Lys Asn Leu Asp Thr Lys Lys
173           130          135          140
175 Tyr Cys Gln Ser
176 145
179 <210> SEQ ID NO: 6
180 <211> LENGTH: 144
181 <212> TYPE: PRT
182 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 6
185 Met Lys Thr Leu Leu Leu Leu Ala Val Ile Met Ile Phe Gly Leu Leu
186   1           5           10           15
188 Gln Ala His Gly Asn Leu Val Asn Phe His Arg Met Ile Lys Leu Thr
189           20           25           30
191 Thr Gly Lys Glu Ala Ala Leu Ser Tyr Gly Phe Tyr Gly Cys His Cys
192           35           40           45
194 Gly Val Gly Gly Arg Gly Ser Pro Lys Asp Ala Thr Asp Arg Cys Cys
195           50           55           60
197 Val Thr His Asp Cys Cys Tyr Lys Arg Leu Glu Lys Arg Gly Cys Gly
198           65           70           75           80
200 Thr Lys Phe Leu Ser Tyr Lys Phe Ser Asn Ser Gly Ser Arg Ile Thr
201           85           90           95
203 Cys Ala Lys Gln Asp Ser Cys Arg Ser Gln Leu Cys Glu Cys Asp Lys
204           100          105          110
206 Ala Ala Ala Thr Cys Phe Ala Arg Asn Lys Thr Thr Tyr Asn Lys Lys

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207          115          120          125
209 Tyr Gln Tyr Tyr Ser Asn Lys His Cys Arg Gly Ser Thr Pro Arg Cys
210          130          135          140
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214 <211> LENGTH: 145
215 <212> TYPE: PRT
216 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 7
219 Met Glu Leu Ala Leu Leu Cys Gly Leu Val Val Met Ala Gly Val Ile
220 1          5          10          15
222 Pro Ile Gln Gly Gly Ile Leu Asn Leu Asn Lys Met Val Lys Gln Val
223          20          25          30
225 Thr Gly Lys Met Pro Ile Leu Ser Tyr Trp Pro Tyr Gly Cys His Cys
226          35          40          45
228 Gly Leu Gly Gly Arg Gly Gln Pro Lys Asp Ala Thr Asp Trp Cys Cys
229          50          55          60
231 Gln Thr His Asp Cys Cys Tyr Asp His Leu Lys Thr Gln Gly Cys Ser
232 65          70          75          80
234 Ile Tyr Lys Asp Tyr Tyr Arg Tyr Asn Phe Ser Gln Gly Asn Ile His
235          85          90          95
237 Cys Ser Asp Lys Gly Ser Trp Cys Glu Gln Gln Leu Cys Ala Cys Asp
238          100          105          110
240 Lys Glu Val Ala Phe Cys Leu Lys Arg Asn Leu Asp Thr Tyr Gln Lys
241          115          120          125
243 Arg Leu Arg Phe Tyr Trp Arg Pro His Cys Arg Gly Gln Thr Pro Gly
244          130          135          140
246 Cys
247 145
250 <210> SEQ ID NO: 8
251 <211> LENGTH: 154
252 <212> TYPE: PRT
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 8
256 Met Leu Leu Val His Leu Pro Ser Pro Gln Pro Gly Met Lys Ser Pro
257 1          5          10          15
259 His Val Leu Val Phe Leu Cys Leu Leu Val Ala Leu Val Thr Gly Asn
260          20          25          30
262 Leu Val Gln Phe Gly Val Met Ile Glu Lys Met Thr Gly Lys Ser Ala
263          35          40          45
265 Leu Gln Tyr Asn Asp Tyr Gly Cys Tyr Cys Gly Ile Gly Gly Ser His
266          50          55          60
268 Trp Pro Val Asp Gln Thr Asp Trp Cys Cys His Ala His Asp Cys Cys
269 65          70          75          80
271 Tyr Gly Arg Leu Glu Lys Leu Gly Cys Glu Pro Lys Leu Glu Lys Tyr
272          85          90          95
274 Leu Phe Ser Val Ser Glu Arg Gly Ile Phe Cys Ala Gly Arg Thr Thr
275          100          105          110
277 Cys Gln Arg Leu Thr Cys Glu Cys Asp Lys Arg Ala Ala Leu Cys Phe
278          115          120          125

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280 Arg Arg Asn Leu Gly Thr Tyr Asn Arg Lys Tyr Ala His Tyr Pro Asn
281      130                      135                      140
283 Lys Leu Cys Thr Gly Pro Thr Pro Pro Cys
284 145                      150
287 <210> SEQ ID NO: 9
288 <211> LENGTH: 138
289 <212> TYPE: PRT
290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 9
293 Met Lys Gly Leu Leu Pro Leu Ala Trp Phe Leu Ala Cys Ser Val Pro
294 1      5      10      15
296 Ala Val Gln Gly Gly Leu Leu Asp Leu Lys Ser Met Ile Glu Lys Val
297      20      25      30
299 Thr Gly Lys Asn Ala Leu Thr Asn Tyr Gly Phe Tyr Gly Cys Tyr Cys
300      35      40      45
302 Gly Trp Gly Gly Arg Gly Thr Pro Lys Asp Gly Thr Asp Trp Cys Cys
303      50      55      60
305 Trp Ala His Asp His Cys Tyr Gly Arg Leu Glu Glu Lys Gly Cys Asn
306 65      70      75      80
308 Ile Arg Thr Gln Ser Tyr Lys Tyr Arg Phe Ala Trp Gly Val Val Thr
309      85      90      95
311 Cys Glu Pro Gly Pro Phe Cys His Val Asn Leu Cys Ala Cys Asp Arg
312      100      105      110
314 Lys Leu Val Tyr Cys Leu Lys Arg Asn Leu Arg Ser Tyr Asn Pro Gln
315      115      120      125
317 Tyr Gln Tyr Phe Pro Asn Ile Leu Cys Ser
318      130      135
321 <210> SEQ ID NO: 10
322 <211> LENGTH: 155
323 <212> TYPE: PRT
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 10
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328 1      5      10      15
330 Gly Pro Gly Ser Gly Glu Ala Ser Arg Ile Leu Arg Val His Arg Arg
331      20      25      30
333 Gly Ile Leu Glu Leu Ala Gly Thr Val Gly Cys Val Gly Pro Arg Thr
334      35      40      45
336 Pro Ile Ala Tyr Met Lys Tyr Gly Cys Phe Cys Gly Leu Gly Gly His
337      50      55      60
339 Gly Gln Pro Arg Asp Ala Ile Asp Trp Cys Cys His Gly His Asp Cys
340 65      70      75      80
342 Cys Tyr Thr Arg Ala Glu Glu Ala Gly Cys Ser Pro Lys Thr Glu Arg
343      85      90      95
345 Tyr Ser Trp Gln Cys Val Asn Gln Ser Val Leu Cys Gly Pro Ala Glu
346      100      105      110
348 Asn Lys Cys Gln Glu Leu Leu Cys Lys Cys Asp Gln Glu Ile Ala Asn
349      115      120      125
351 Cys Leu Ala Gln Thr Glu Tyr Asn Leu Lys Tyr Leu Phe Tyr Pro Gln

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VERIFICATION SUMMARY

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